VENTUANDE SENTISEROS NACISTEES COSTONALL ENDOLÓSICOS IN TABLES OF L'ANTINES PROPERCIOS.

IN THE THE THE SECTION AND THE SECTION ASSERTATION ASSERVATION ASSERVATIO the universal protein knowledgebase

7

hosted by

Text Search UniProt Knowledgebase

1

a Home > Database > UniProtKB Entry Viewer

Databases

Searches/Tools

Getting Started

About UniProt

Home

Support/Documentation

Text Search

Power Search

Basic UniProtKB Entry Viewer

Warehouse

Prediction Search InterPro Search

Entry List Search CluSTr Search

Data Set Manager

BLAST

FAO

Help Desk Download

Protein Q8YSA0_ANASP

New Query | Submit Annotation | Download Protein | Bookmark Protein

Basic Extended	Viewers: Fasta Flat File XML ExPASy SRS PIR
General information about th	tion about the UniProt/TrEMBL entry
Entry name	Q8YSA0_ANASP
Primary accession number	Q8YSA0
Entered in TrEMBL	Release 20, 01-MAR-2002
Sequence was last modified	Release 20, 01-MAR-2002
Annotations were last modified	last modified Release 26, 01-MAR-2004
Protein description	

Beta-carotene ketolase

Origin of the protein

Protein name

Gene	Locus names alr3189
From	Anabaena sp. (strain PCC 7120)[TaxID:103690]
Taxonomy	Bacteria; Cyanobacteria; Nostocales; Nostocaceae; Nostoc.
References	
[1]	NUCLEOTIDE SEQUENCE. MEDLINE=21595285; PubMed=11759840; [NCBI, ExPASy, EBI, Israel, Japan] Kaneko T., Nakamura Y., Wolk C.P., Kuritz T., Sasamoto S., ▼ "Complete genomic sequence of the filamentous nitrogen-fixing cyanobacterium Anabaena sp. strain PCC 7120."; DNA Res. 8:205-213(2001).

Ì

Cross-references				
EMBL	AP003592; B/	BAB74888.1; -; Genomic_DNA.[EMBL/ GenBank/ DDBJ] [CoDingSequence]	oos) [caa	ingSequence]
PIR	AF2204; AF2204	04.		
09	Cellular component	membrane	GO:0016020	inferred from electronic annotation
	Molecular function	oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors GC resulting in the reduction of molecular oxygen to two molecules of water	GO:0016717	inferred from electronic annotation
	Molecular function	oxidoreductase activity, acting on single donors with incorporation of molecular GC oxygen	60:0016701	inferred from electronic annotation
	Biological process	carotene metabolism	GO:0016119	inferred from electronic annotation
	Biological process	carotenoid biosynthesis GC	GO:0016117	inferred from electronic annotation
	Biological process	fatty acid desaturation GC	60:0006636	inferred from electronic annotation
		[QuickGO]		
InterPro	IPR011393; Carotene_keto IPR005804; Fa_desat. IPR010257; FA_desat_sub. Graphical view of the doma	IPR011393; Carotene_ketolas. IPR005804; Fa_desat. IPR010257; FA_desat_sub. Graphical view of the domain structure		
[§] Pfam	PF00487; FA_ Pfam graphica	PF00487; FA_desaturase; 1. Pfam graphical view of domain structure	8	
PIRSF	PIRSF027840	PIRSF027840; Carotene_ketolas; 1.	,	
ProDom	PD001081; FA [Domain struc	PD001081; FA_desat_sub; 1. [Domain structure/ List of seq. sharing at least 1 domain]		
Keywords				
	Complete proteome	eome		
Sequence information				
Length	258 AA			
Molecular weight	30313 Da			

[Q8YSA0_ANASP] Basic UniProtKB Entry Viewer - UniProt [the Universal Protein Resource]

CRC64	8F8C8E4ECF8EF61B	[This is a checksum on the sequence]	e sequence]
+	+	+	
MVQCQPSSLH SEKLVLLSST IRDDKNINKG IFIACFILFL WAISLILLLS	KNINKG IFIACFILFL WA:	ISLILLLS 50	
IDTSIIHKSL LGIAMLWQTF LYTGLFITAH DAMHGVVYPK NPRINNFIGK 100	LFITAH DAMHGVVYPK NPI	RINNFIGK 100	
LTLILYGLLP YKDLLKKHWL HHGHPGTDLD PDYYNGHPQN FFLWYLHFMK 150	PGTDLD PDYYNGHPQN FF1	LWYLHFMK 150	
SYWRWTQIFG LVMIFHGLKN LVHIPENNLI IFWMIPSILS SVQLFYFGTF 200	PENNLI IFWMIPSILS SV(DLFYFGTF 200	
LPHKKLEGGY INPHCARSIP LPLFWSFVTC YHFGYHKEHH EYPQLPWWKL 250	wsғvтс үнғсүнкенн еу)	PQLPWWKL 250	
PEAHKISL		258	
Pop-Up Fasta View			UniParc UniRef100 UniRef90 UniRef50

About UniProt Getting Started Searches/Tools Databases Support/Documentation

HOME | HELP | SITE MAP

Copyright © 2002 - 2004 UniProt

TERMS OF USE

7/7/2005